### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## CORRECTED VERSION

# (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 13 July 2000 (13.07.2000)

## **PCT**

# (10) International Publication Number WO 00/40695 A3

- (51) International Patent Classification<sup>7</sup>: C12N 15/29, C07K 14/415
- (21) International Application Number: PCT/US00/00466
- (22) International Filing Date: 7 January 2000 (07.01.2000)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/115,293

8 January 1999 (08.01.1999) US

- (71) Applicant (for all designated States except US): CERES, INC. [US/US]; 3007 Malibu Canyon Road, Malibu, CA 90265 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ALEXANDROV, Nickolai [RU/US]; 1404 Oak Trail Street, Thousand Oaks, CA 91320 (US). BROVER, Vyacheslav [RU/US]; 5916 N. Las Virgenes Road #590, Calabasas, CA 91320 (US). CHEN, Xianfeng [CN/US]; 12333 Wild Turkey Court, #B, Creve Coeur, MO 63141 (US). SUBRAMANIAN, Gopalakrishnan [IN/US]; 4205 Peach Slope Road, Moorpark, CA 93021 (US). TROUKHAN, Maxim, E. [RU/US]; 1675 Amberwood Drive #2, South Pasadena, CA 91030 (US). ZHENG, Liansheng [CN/US]; 19212 Circle Gate Drive #201, Germantown, MD 20874 (US).
- (74) Agents: STEWART, Raymond, C. et al.; Birch, Stewart, Kolasch & Birch, LLP, P.O. Box 747, Falls Church, VA 22040-0747 (US).

- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GII, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TI, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patcnt (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patcnt (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- (88) Date of publication of the international search report: 30 November 2000
- (48) Date of publication of this corrected version:

4 October 2001

(15) Information about Correction:

see PCT Gazette No. 40/2001 of 4 October 2001, Section

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES ENCODED THEREBY

(57) Abstract: The present invention provides DNA molecules that constitute portions of the genome of a plant, and polypeptides encoded thereby. The DNA molecules are useful for expressing a gene product, either as a promoter or as a structural gene or as an UTR or as a 3' termination sequence and are also useful in controlling expression of the target gene or as tools for genetic mapping or identification of a particular individual plant or for clustering of a group of plants with a common trait.

